Electronic Acknowledgement Receipt					
EFS ID:	5290026				
Application Number:	10647163				
International Application Number:					
Confirmation Number:	1606				
Title of Invention:	Low complexity channel estimation for orthogonal frequency division modulation systems				
First Named Inventor/Applicant Name:	Hui-Ling Lou				
Correspondence Address:	FISH & RICHARDSON - 3300 DAIN RAUSCHER PLAZA 60 SOUTH SIXTH STREET MINNEAPOLIS MN 55402 US - -				
Filer:	John-Paul Robert Fryckman/Line Gauthier				
Filer Authorized By:	John-Paul Robert Fryckman				
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Application Type:	Utility under 35 USC 111(a)				

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Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$310

RAM confirma	tion Number	6309				
Deposit Accou	ınt	061050				
Authorized Us	er					
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File Listing	g:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)	
1		MP0284_Response.pdf	810287	yes	23	
			2ac83a5d69a9bf7848f13216aa8fb65ad052 a9a4			
	Multip	art Description/PDF files in	zip description			
	Document Des	cription	Start	End		
	Amendment/Req. Reconsideration	Amendment/Req. Reconsideration-After Non-Final Reject		1		
	Claims		2	18		
	Applicant Arguments/Remarks Made in an Amendment		19	23		
Warnings:						
Information:						
2		MP0284_13361_0048001_IDS.	130870	. yes	2	
		pui	3a9d78ba70f4dd5e83e2428409cdfa499e9 c606d			
	Multip	art Description/PDF files in	zip description			
	Document Des	cription	ion Start		End	
	Transmittal Letter			1		
	Transmittal L	etter	1	•		
	Transmittal L Information Disclosure Statem		2	-		
Warnings:						
Warnings:						
Information:	Information Disclosure Statem	nent (IDS) Filed (SB/08)	2	2		
Information: 3 Warnings:	Information Disclosure Statem	nent (IDS) Filed (SB/08)	3638676 77081c9ffd7e878f36d693b14c054b33d6c2	2		
Information:	Information Disclosure Statem	nent (IDS) Filed (SB/08)	3638676 77081c9ffd7e878f36d693b14c054b33d6c2	2		
Information: 3 Warnings:	Information Disclosure Statem	nent (IDS) Filed (SB/08)	3638676 77081c9ffd7e878f36d693b14c054b33d6c2 ff99	2		
Information: 3 Warnings: Information:	Information Disclosure Statem NPL Documents	A3.pdf	3638676 77081c9ffd7e878f36d693b14c054b33d6c2 ff99	no	91	

5	5 Fee Worksheet (PTO-875)	fee-info.pdf	31934	no	2
Tee Worksheet (170 075)	·	c62455741bd251840725ce75c9772452b9f d231c		_	
Warnings:					
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	Total Files Size (in bytes)		83	35467	

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New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.